Searching by Document Number

** Result [Patent] ** Format(P805) 22.Aug.2003 1/ 1

Application no/date: 1990- 12003[1990/01/23]
Date of request for examination: [1996/12/26]
Public disclosure no/date: 1991-178485[1991/08/02]
Examined publication no/date (old law): [ ]
Registration no/date: [ ]
Examined publication date (present law): [ ]
PCT application no
PCT publication no/date [ ]
Applicant: RICOH CO LTD
Inventor: MOCHIZUKI HIDEHIRO,SHIMADA MASARU,MOROHOSHI NAOYA,KAMIMURA HIROYU KI
IPC: B41M 5/38
FI: B41M 5/26 ,101J
F-term: 2H111AA14,AA21,AA27,AA32,AA33,AA35,AA38,AA42,AA47,BA03,BA07,BA39, BA53,BA54,BA62,BA63,BA64,BA73,BB04,BB05,BB06,BB07
Expanded classification: 294,142
Fixed keyword: R002,R124,R125
Citation: [19,1998. 7.23,04] (04,JP, Unexamined Publication of Patent,H01-157891) (04,JP, Unexamined Publication of Patent,S61-262189) (04,JP, Unexamined Publication of Patent,S63-281888)
Title of invention: SUBLIMATION TYPE THERMAL TRANSFER MATERIAL
Abstract:

PURPOSE: To eliminate the lowering of transfer density and to prevent the release of an ink layer due to friction fixing by adding a substance having lubricity or releasability to the ink layer.

CONSTITUTION: It is necessary to lower the adhesive strength and friction force between an ink layer and the receiving layer of image receiving paper in order to prevent the adhesion of the ink layer to the image receiving paper. Therefore, it is necessary to add a substance having lubricity or releasability. As the substance having lubricity or releasability, for example, there are a petroleum type lubricant such as liquid paraffin and a synthetic lubricant such as hydrogen halide, diester oil, silicone oil or fluoro-silicone oil. The content of the substance having lubricity or releasability in a dye transfer contributing layer is pref. 5 - 30 wt.%. When the content is below 5 wt.% or less, releasability or fusion preventing effect is insufficient and, when the content exceeds 30%, sensitivity and preservability are lowered.